

REMARKS

Applicants respectfully submit that no prohibited new matter has been introduced by this Preliminary Amendment.

Attached hereto is a marked-up version of the changes made to the specification and the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

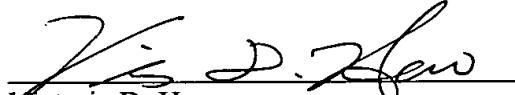
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Respectfully submitted,

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Dated: February 26, 2002

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The paragraph beginning at page 6, line 1 has been replaced with the following paragraph.

Figure 29 is a block diagram illustrating a structure of a [cellar] cellular telephone;

The paragraph beginning at page 52, line 16 has been replaced with the following paragraph.

Referring to Figure 28, illustrated is an information providing system equipped with a kiosk terminal device according to the present invention. This information providing system includes an information administration server 21 of a [cellar] cellular telephone company, a [cellar] cellular telephone 22 and a kiosk terminal device 23. Electric waves received by and sent from the [cellar] cellular telephone 22 are caught by a communication relay device (repeater) 24. A communication line or network 26 connects the communication relay device 24 with the information administration server 21. A high-speed dedicated line 27 connects the information administration server 21 with the kiosk terminal device 23.

The three paragraphs beginning at page 53, line 1 have been replaced with the following three paragraphs.

The information administration server 21 is, for example, located in an information administration center of the [cellar] cellular telephone company, and is a server for supplying music information to the [cellar] cellular telephone 22 (will be described in detail). The information administration server 21 has a storage device 28 as a database. Inside the database of the storage device 28, stored are a plurality of complementary music data having a structure shown in Figure 5 in the form of a plurality of files. The complementary music files are allotted song numbers respectively.

The [cellar] cellular telephone 22 is used by a user who wants to have a song distributed. Although there is only one [cellar] cellular telephone in this embodiment for the sake of easier understanding, a plurality of [cellar] cellular telephones are present in reality.

Referring to Figure 29, the [cellar] cellular telephone 22 includes a transmission/reception part 31 for wireless telephone and data communication, a music reproducing part 32 for decoding music data to reproduce it as an analog audio signal, a memory controller 33 for writing into and reading from a memory card 25 such as a flash memory, a display unit 34, an operation unit 35, and a control circuit 36 constituted by CPU. The control circuit 36 is connected to the transmission/reception part 31, music reproducer 32, memory controller 33, display part 34 and operation part 35 to control the overall operations of the [cellar] cellular telephone 22. The transmission/reception part 31 has a microphone 37 for telephone talking and a speaker 38 for listening as well as an antenna 31a. The music reproducing part 32 possesses a structure as shown in Figure 2. It should be noted, however, that this music reproducing part 32 is not provided with a speaker; instead, it is equipped with a jack 39 for connection to a pair of headphones (not shown).

The paragraph beginning at page 54, line 6 has been replaced with the following paragraph.

A memory support 40 is attached to the memory controller 33 to removably support the memory card 25. The memory card 25 obtains and stores incomplete music file of a desired song from the kiosk terminal device 23, and loads the incomplete music file into the [cellar] cellular telephone 22. The memory card 25 is inserted into the memory support 40 by the user from an insert opening (not shown) formed in a lateral face of the [cellar] cellular telephone 22. The memory card 25 fitted and supported in the memory support 40 can be removed by pulling away the memory card from the memory support 40.

The paragraph beginning at page 55, line 20 has been replaced with the following paragraph.

A user of the [cellar] cellular telephone 22 inserts the memory card 25 into the memory support 57 from the insertion slot 23a if he or she finds a desired song title among those displayed in the screen 54 of the kiosk terminal device 23.

The two paragraphs beginning at page 56, line 23 have been replaced with the following two paragraphs:

As the incomplete music file is written into the memory card 25, the user loads the memory card 25 into the memory support 40 from a slot of the [cellar] cellular telephone 22.

As shown in Figure 32, the control circuit 36 of the [cellar] cellular telephone 22 determines via the memory controller 33 whether the memory card 25 is inserted in the memory support 25 (Step S261). If the control circuit detects the insertion of the memory card 25, it then determines whether the incomplete music file is stored in the memory card 25 (Step S262). If the incomplete music file is stored in the memory card 25, the control circuit sends a request for subscriber authentication to the information administration server 21 to purchase a song (Step S263). The subscriber authentication request carries user identification information such as a telephone number and an identification code written in the internal memory 30 of the [cellar] cellular telephone 22. The user identification information is given from the [cellar] cellular telephone company. It should be noted that the user may also enter another user identification information such as a password using the operation unit 35 at Step S263, and that information may be included in the subscriber authentication request. The [cellar] cellular telephone 22 and information administration server 21 communicate with each other via the communication repeater 24 and communication network 26.

The two paragraphs beginning at page 57, line 24 have been replaced with the following two paragraphs.

The database in the storage device 28 stores the complementary music file as described above. It also stores the user identification information of all the subscribers. When the information administration server 21 confirms that the user identification information included in the received subscriber authentication request exists in the database, it sends a notice of approval to the [cellar] cellular telephone 22 (Step S265).

As the [cellar] cellular telephone 22 receives the approval notice, it sends a request for complementary music file to the information administration server 21 (Step S266). The complementary music file request includes a predetermined song number. The information

administration server 21 can specify the requested complementary music file from the song number.

The paragraph beginning at page 58, line 21 has been replaced with the following paragraph.

As the information administration server 21 receives the complementary music file request, it retrieves the complementary music file specified by the song number included in the complementary music file request from the database and sends it to the buffer (Step S267). This complementary music file is then transmitted to the [cellar] cellular telephone 22 (Step S268). When the user wants to buy a plurality of songs, complementary music files of these songs are read and sent to the [cellar] cellular telephone 22 at Steps S267 and S268.

The four paragraphs beginning at page 59, line 3 have been replaced with the following four paragraphs.

The [cellar] cellular telephone 22 receives the complementary music file and temporarily stores it in the internal memory 30 (Step S269). Upon completing the reception of the complementary music file, the [cellar] cellular telephone 22 instructs the memory controller 33 to read the incomplete music file from the memory card 25 (Step S271). The memory controller 33 reads the incomplete music file from the memory card 25 and supplies it to the [cellar] cellular telephone 22. The [cellar] cellular telephone 22 performs a combine operation; it combines the incomplete music file with the complementary music file to create a complete music file (Step S272). This combine operation is the same as that described above. As a result of the combine, the complete music file is written in the memory card 25 via the memory controller 33, and the incomplete music file stored in the memory card 25 is deleted.

When the combine is successfully complete, the [cellar] cellular telephone 22 sends a notice of data combine completion to the information administration server 21 and terminates the communication (Step S273).

Upon receiving the data combine completion notice, the information administration server 21 conducts a charging operation (Step S274). The bill is charged to the user together with a [cellar] cellular telephone fee by this charging operation.

As the combine operation is finished, the [cellar] cellular telephone 22 starts a replay operation (Step S275). In this replay operation, the complete music file created by the combine operation is read from the memory card 25 and fed to the music replay part 32 via the memory controller 33 and control circuit 36. The music replay part 32 decodes the music data successively, D/A converts a PCM audio signal to an analog audio signal, and supplies it to a headphone set via the amplifier. The user therefore can completely listen to a song which he or she has purchased.

The three paragraphs beginning at page 60, line 9 have been replaced with the following three paragraphs:

In case of the memory card 25 recording the complete music file, it is possible to replay a song with an equipment other than the [cellar] cellular telephone, such as a personal computer or a music reproducer incorporating a semiconductor memory.

Although the memory card 25 is employed in the above embodiments, it is satisfactory that an incomplete music file of a desired song is recorded in CD-R at the kiosk terminal device 23, and a terminal device such as a personal computer, not the [cellar] cellular telephone 22, utilizes the CD-R and asks the information administration server to send a complementary music file of the desired song in accordance with the procedure shown in Figure 3 in order to create a complete music file. In this case, the kiosk terminal device 23 has an insertion slot for the CD-R and a write device for the CD-R.

It is also satisfactory that the information such as the incomplete music file is wireless transmitted between the kiosk terminal device 23 and [cellar] cellular telephone 22 in accordance with, for example, Bluetooth, not via the memory card 25. Alternatively, the information may be exchanged between the kiosk terminal and [cellar] cellular telephone by wire or cable.

The paragraph beginning at page 62, line 21 has been replaced with the following paragraph.

If the user of the [cellar] cellular telephone 22 wishes to purchase the song which the user just listened to, the user inserts the memory card 25 into the memory support 57 from the

insertion slot 23a. The user may operate the operation unit 55 instead of inserting the memory card 25.

The two paragraphs beginning at page 64, line 15 have been replaced with the following paragraphs.

When the incomplete music file is written in the memory card 25, the user loads the memory card 25 into the insertion slot of the [ellular] cellular telephone 22 such that the memory card is supported in the memory support 40. The user then obtains the complementary music file from the information administration server 21 using the [ellular] cellular telephone 22, and combines it with the incomplete music file so that the user can replay the song. This procedure is the same as shown in Figure 32 so that the redundant description is omitted here. If there are a plurality of different data separation schemes, one of them is specified when the complementary music file is requested.

Although the kiosk terminal device 23 does not conduct the combine operation in the above described embodiment, the kiosk terminal device 23 may be equipped with a combiner (not shown) for the combine operation so that a person who does not have a [ellular] cellular telephone or personal computer is able to buy a disc such as CD-R and MD or a cassette tape for recording the complete music file or analog music signal.

IN THE CLAIMS:

Claims 4, 28 and 29 have been amended as follows.

4. (Amended) The storage medium according to claim 1, wherein the complete information data is divided into a plurality of first amount of data, and the incomplete information data is a series of data, each of which is a remainder obtained by subtracting a second [mount] amount of data from the first amount of data, with the second amount of data being smaller than the first amount of data.

28. (Amended) The data restoration apparatus according to claim 22 installed in a [cellar] cellular telephone or a client terminal device.

29. (Amended) The data restoration apparatus according to claim 28, wherein the [cellar] cellular telephone or client terminal device has replay means for replaying the complete information data.